

Result No.	Score	Query Match	Length	DB	ID	Description
1	864	98.9	166	4	US-09-397-992A-7	Sequence 7, Appli
2	864	98.9	166	6	5514567-4	Patent No. 5514567
3	864	98.9	187	4	US-09-206-903A-9	Sequence 9, Appli
4	864	98.9	187	4	US-08-406-030A-30	Sequence 30, Appli
5	864	98.9	187	4	US-09-202-132-9	Sequence 9, Appli
6	864	98.9	187	4	US-09-206-935-7	Sequence 7, Appli
7	864	98.9	187	4	US-09-206-936-7	Sequence 7, Appli
8	864	98.9	187	6	5514567-1	Patent No. 5514567
9	864	98.6	166	2	US-08-477-310A-1	Sequence 1, Appli
10	859	98.3	166	1	US-08-213-448-1	Sequence 1, Appli
11	859	98.3	166	3	US-08-912-768-1	Sequence 1, Appli
12	859	98.3	166	5	PCT-US95-03206-1	Sequence 1, Appli
13	859	98.3	187	3	US-08-912-768-3	Sequence 3, Appli
14	856	97.9	187	1	US-08-026-738-22	Sequence 22, Appli
15	847	96.9	187	6	5326859-1	Patent No. 5326859
16	814	93.1	187	6	5510472-6	Patent No. 5510472
17	804	92.0	166	1	US-08-362-453-16	Sequence 16, Appli
18	562	64.3	187	1	US-08-026-758-21	Sequence 21, Appli
19	482.5	55.2	186	1	US-08-026-738-25	Sequence 25, Appli
20	451.5	51.7	186	1	US-08-026-738-26	Sequence 26, Appli
21	430.5	49.3	186	1	US-08-026-758-24	Sequence 24, Appli
22	364.5	41.7	186	1	US-08-026-758-23	Sequence 23, Appli
23	258.5	29.6	208	4	US-09-397-992A-5	Sequence 5, Appli
24	254.5	29.1	192	4	US-09-397-992A-27	Sequence 27, Appli
25	254.5	29.1	193	4	US-09-397-992A-26	Sequence 26, Appli
26	254.5	29.1	193	4	US-09-397-992A-29	Sequence 29, Appli
27	254.5	29.1	208	4	US-09-206-903A-1	Sequence 1, Appli

Query Match 98.9%; Score 864; DB 6; Length 187;
Best Local Similarity 98.8%; Pred. No. 1.6e-82;
Matches 163; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 MSYNLLGFLQRSSNFQCKLLQWLNGLRLEYCLKDRMNFDPPEIKQLQNFSKEDAALTYI 60
DB 22 MSYNLLGFLQRSSNFQCKLLQWLNGLRLEYCLKDRMNFDPPEIKQLQNFQKEDAALTYI 81
QY 61 EMLQNIFAIFRODSSSTGWNTEIVENLLANYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
DB 82 EMLQNIFAIFRODSSSTGWNTEIVENLLANYHQINHLKTVLEEKLEKEDFTRGKLMSSL 141
QY 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFYFINRLTGYLRN 166
DB 142 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFYFINRLTGYLRN 187

RESULT 9
US-08-477-310A-1
; Sequence 1, Application US/08477310A
; Patent No. 5814485
; GENERAL INFORMATION:
; APPLICANT: Dorin, Glenn
; APPLICANT: McAlary, Patrick J.
; APPLICANT: Wong, Kathleen M.
; TITLE OF INVENTION: Bacterial Production of Hydrophobic
; TITLE OF INVENTION: Polypeptides
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/477,310A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Chung, Ling-Fong
; REGISTRATION NUMBER: 36,482
; REFERENCE/DOCKET NUMBER: 960.001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 923-2704
; TELEFAX: (510) 655-3542
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 166 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-477-310A-1

Query Match 98.6%; Score 862; DB 2; Length 166;
Best Local Similarity 98.2%; Pred. No. 2.2e-82;
Matches 163; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MSYNLLGFLQRSSNFQCKLLQWLNGLRLEYCLKDRMNFDPPEIKQLQNFSKEDAALTYI 60
DB 1 MSYNLLGFLQRSSNFQCKLLQWLNGLRLEYCLKDRMNFDPPEIKQLQNFQKEDAALTYI 60
QY 61 EMLQNIFAIFRODSSSTGWNTEIVENLLANYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
DB 61 EMLQNIFAIFRODSSSTGWNTEIVENLLANYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120

QY 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFYFINRLTGYLRN 166
DB 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFYFINRLTGYLRN 166

RESULT 10
US-08-213-448-1
; Sequence 1, Application US/08213448
; Patent No. 5545723
; GENERAL INFORMATION:
; APPLICANT: Goetz, Susan E
; APPLICANT: Cate, Richard L
; APPLICANT: Pepinsky, Blake R
; APPLICANT: Chow, Pingchang E
; TITLE OF INVENTION: No. 5545723el Mutelns Of IFN-Beta
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: James F. Haley, Jr.
; STREET: Fish & Neave, 1251 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10020-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/213,448
; FILING DATE:
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Haley Jr., James F
; REGISTRATION NUMBER: 27,794
; REFERENCE/DOCKET NUMBER: B179
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 596-9000
; TELEFAX: (212) 596-9090
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 166 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-213-448-1

Query Match 98.3%; Score 859; DB 1; Length 166;
Best Local Similarity 98.2%; Pred. No. 4.6e-82;
Matches 163; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 MSYNLLGFLQRSSNFQCKLLQWLNGLRLEYCLKDRMNFDPPEIKQLQNFSKEDAALTYI 60
DB 1 MSYNLLGFLQRSSNFQCKLLQWLNGLRLEYCLKDRMNFDPPEIKQLQNFQKEDAALTYI 60
QY 61 EMLQNIFAIFRODSSSTGWNTEIVENLLANYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
DB 61 EMLQNIFAIFRODSSSTGWNTEIVENLLANYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
QY 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFYFINRLTGYLRN 166
DB 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFYFINRLTGYLRN 166

RESULT 11
US-08-912-768-1
; Sequence 1, Application US/08912768
; Patent No. 6127332
; GENERAL INFORMATION:

```
; APPLICANT: Goelz, Susan E
; APPLICANT: Cate, Richard L
; APPLICANT: Pepinsky, Blake R
; APPLICANT: Chow, Pingchang E
; TITLE OF INVENTION: No. 6127332e1 Muteins Of IFN-Beta
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: James F. Haley, Jr.
; STREET: Fish & Neave, 1251 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10020-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/912,768
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/475,774
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Haley Jr., James F
; REGISTRATION NUMBER: 27,794
; REFERENCE/DOCKET NUMBER: B179
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 596-9000
; TELEFAX: (212) 596-9090
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 166 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; PCT-US95-03206-1
;
; Query Match 98.3%; Score 859; DB 3; Length 166;
; Best Local Similarity 98.2%; Pred. No. 4.6e-82;
; Matches 163; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
;
; QY 1 MSYNLLGFQRSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQnPSKEDAALTYI 60
; DB 1 MSYNLLGFQRSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQnPSKEDAALTYI 60
;
; QY 61 EMLQNIFAIFRODSSSTGNETIVENLLANYHQLNHLKTVEEKEDEFTRGKLMSSL 120
; DB 61 EMLQNIFAIFRODSSSTGNETIVENLLANYHQLNHLKTVEEKEDEFTRGKLMSSL 120
;
; QY 121 HLKRYGRILHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLRN 166
; DB 121 HLKRYGRILHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLRN 166
;
; RESULT 12
; PCT-US95-03206-1
; Sequence 1, Application PC/TUS9503206
; GENERAL INFORMATION:
; APPLICANT: Biogen, Inc.
; APPLICANT: Goelz, Susan E
; APPLICANT: Cate, Richard L
; APPLICANT: Pepinsky, Blake R
; APPLICANT: Chow, Pingchang E
; TITLE OF INVENTION: Novel Muteins Of IFN-Beta
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
```

```
; ADDRESSEE: James F. Haley, Jr.
; STREET: Fish & Neave, 1251 Avenue of the
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10020-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/03206
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Haley Jr., James F
; REGISTRATION NUMBER: 27,794
; REFERENCE/DOCKET NUMBER: B179
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 596-9000
; TELEFAX: (212) 596-9090
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 166 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; PCT-US95-03206-1
;
; Query Match 98.3%; Score 859; DB 5; Length 166;
; Best Local Similarity 98.2%; Pred. No. 4.6e-82;
; Matches 163; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
;
; QY 1 MSYNLLGFQRSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQnPSKEDAALTYI 60
; DB 1 MSYNLLGFQRSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQnPSKEDAALTYI 60
;
; QY 61 EMLQNIFAIFRODSSSTGNETIVENLLANYHQLNHLKTVEEKEDEFTRGKLMSSL 120
; DB 61 EMLQNIFAIFRODSSSTGNETIVENLLANYHQLNHLKTVEEKEDEFTRGKLMSSL 120
;
; QY 121 HLKRYGRILHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLRN 166
; DB 121 HLKRYGRILHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLRN 166
;
; RESULT 13
; US-08-912-768-3
; Sequence 3, Application US/08912768
; Patent No. 6127332
; GENERAL INFORMATION:
; APPLICANT: Goelz, Susan E
; APPLICANT: Cate, Richard L
; APPLICANT: Pepinsky, Blake R
; APPLICANT: Chow, Pingchang E
; TITLE OF INVENTION: No. 6127332e1 Muteins Of IFN-Beta
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: James F. Haley, Jr.
; STREET: Fish & Neave, 1251 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10020-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/912.768
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/475,774
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Haley Jr., James F.
REGISTRATION NUMBER: 27,794
REFERENCE/DOCKET NUMBER: B179
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 596-9000
TELEFAX: (212) 596-9090
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 187 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-912-768-3

Query Match 98.3%; Score 859; DB 3; Length 187;
Best Local Similarity 98.2%; Pred. No. 5.4e-82;
Matches 163; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1 MSYNLLGFLQSSNFQCKLLWQLNGRLCYCLKDRMNFDPPEIKQLQFSKEDAAITY 60
DB 22 MSYNLLGFLQSSNFQCKLLWQLNGRLCYCLKDRMNFDPPEIKQLQFSKEDAAITY 81
QY 61 EMLQNIFAIFRODSSSTGNETIVENLLANYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
DB 82 EMLQNIFAIFRODSSSTGNETIVENLLANYHQINHLKTVLEEKLEKEDFTRGKLMSSL 141
QY 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFINRLTGYLRN 166
DB 142 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFINRLTGYLRN 187

RESULT 14
US-08-026-758-22
Sequence 22, Application US/08026758
Patent No. 5780021
GENERAL INFORMATION:
APPLICANT: SOBEL, DOUGLAS O.
TITLE OF INVENTION: A METHOD FOR TREATING AUTOIMMUNE
DISEASES USING ALPHA-INTERFERON AND/OR BETA-INTERFERON
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
ADDRESS: P.C. Jefferson Davis Highway, Suite 400
STREET: 1755 S. Jefferson Davis Highway, Suite 400
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/026,758
FILING DATE: 19930305
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 5780021man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 1126-096-0
TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 187 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 22..187
OTHER INFORMATION: /note= "Hu-IFN-beta"
US-08-026-758-22

Query Match 97.9%; Score 856; DB 1; Length 187;
Best Local Similarity 98.2%; Pred. No. 1.1e-81;
Matches 163; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1 MSYNLLGFLQSSNFQCKLLWQLNGRLCYCLKDRMNFDPPEIKQLQFSKEDAAITY 60
DB 22 MSYNLLGFLQSSNFQCKLLWQLNGRLCYCLKDRMNFDPPEIKQLQFSKEDAAITY 81
QY 61 EMLQNIFAIFRODSSSTGNETIVENLLANYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
DB 82 EMLQNIFAIFRODSSSTGNETIVENLLANYHQINHLKTVLEEKLEKEDFTRGKLMSSL 141
QY 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFINRLTGYLRN 166
DB 142 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFINRLTGYLRN 187

RESULT 15
5326859-1
Patent No. 5326859
APPLICANT: Sugano, Haruo; Muramatsu, Masami; Taniguchi, Tadatsugu
TITLE OF INVENTION: DNA AND RECOMBINANT PLASMID
NUMBER OF SEQUENCES: 3
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/06/201,359
FILING DATE: 27-OCT-1980
SEQ ID NO: 1:
LENGTH: 187
5326859-1

Query Match 96.9%; Score 847; DB 6; Length 187;
Best Local Similarity 97.0%; Pred. No. 9.6e-81;
Matches 161; Conservative 1; Mismatches 4; Indels 0; Gaps 0;
QY 1 MSYNLLGFLQSSNFQCKLLWQLNGRLCYCLKDRMNFDPPEIKQLQFSKEDAAITY 60
DB 22 MSYNLLGFLQSSNFQCKLLWQLNGRLCYCLKDRMNFDPPEIKQLQFSKEDAAITY 81
QY 61 EMLQNIFAIFRODSSSTGNETIVENLLANYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
DB 82 EMLQNIFAIFRODSSSTGNETIVENLLANYHQINHLKTVLEEKLEKEDFTRGKLMSSL 141
QY 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFINRLTGYLRN 166
DB 142 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFINRLTGYLRN 187

Search completed: August 19, 2002, 19:30:01
Job time: 230 sec